



Luggison Bros (P.S.) Ltd

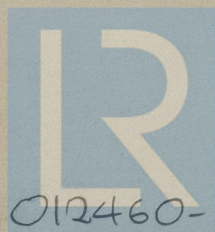
Level N. 360

"Empire Mead"

Profile & Deck Plan  
(as fitted)

Exp 1<sup>st</sup> Entry Report No  
21900

— X Boake



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Lloyd's Register  
Foundation

012460-012472-0161





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AD/MS 272.

SINGLE SCREW TUG.

"EMPIRE MEAD"

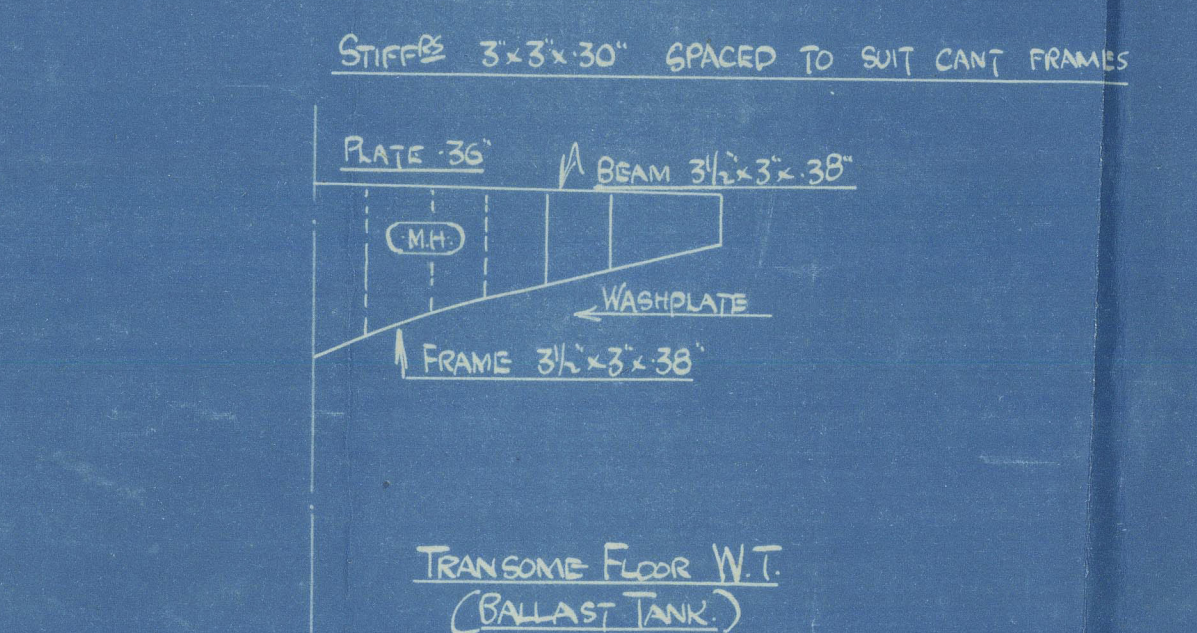
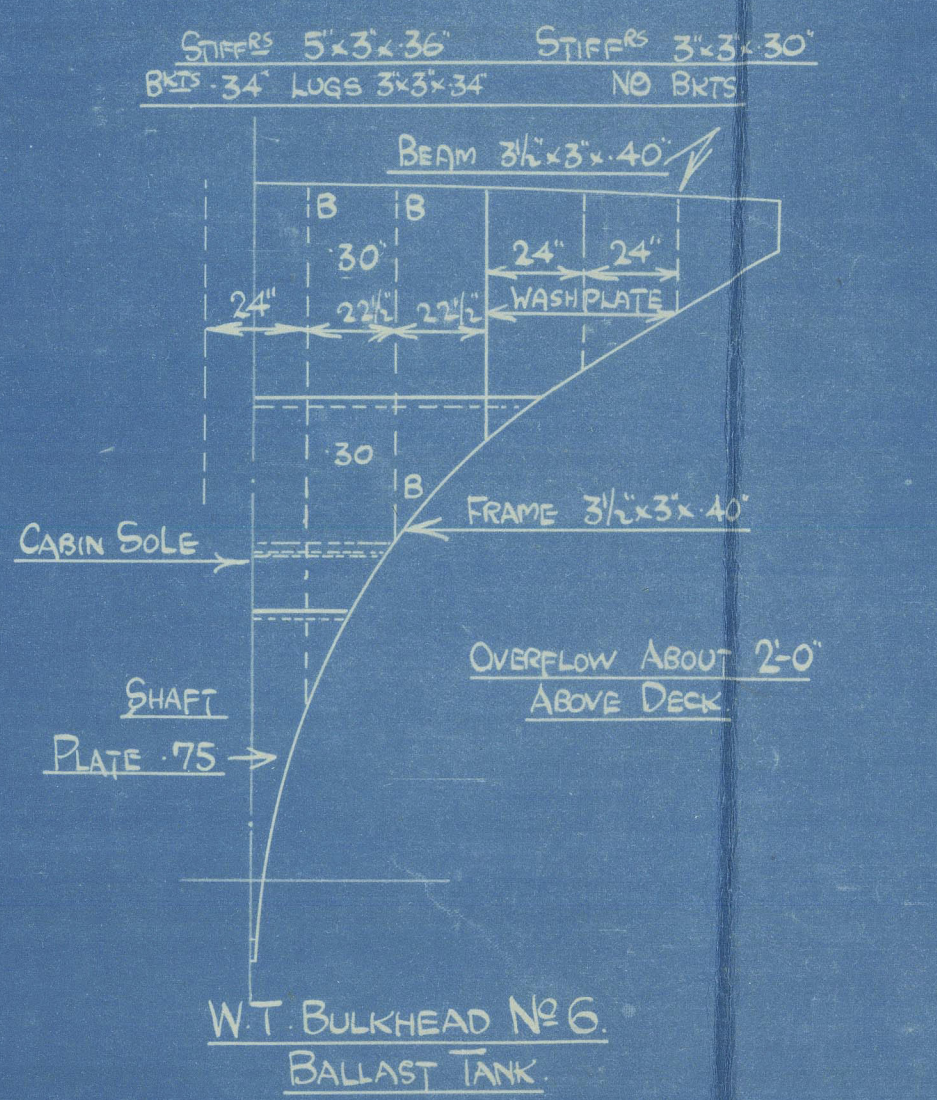
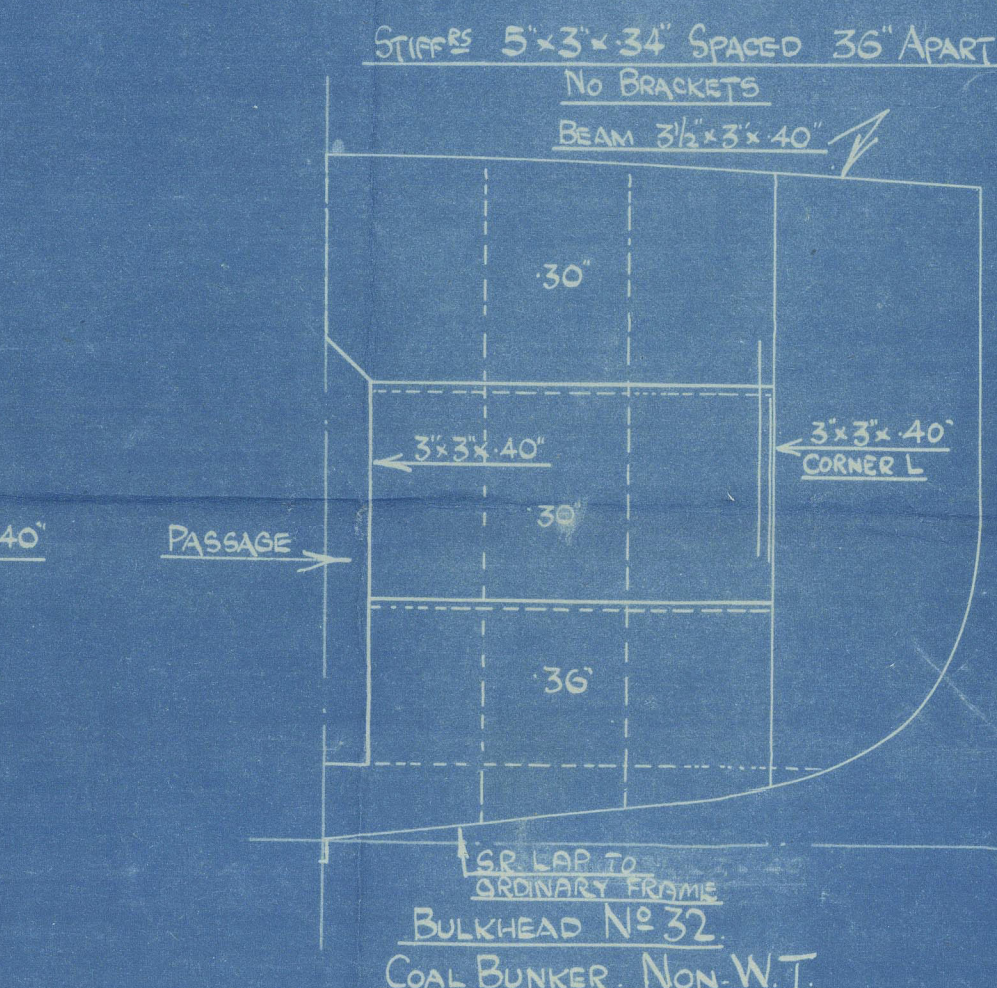
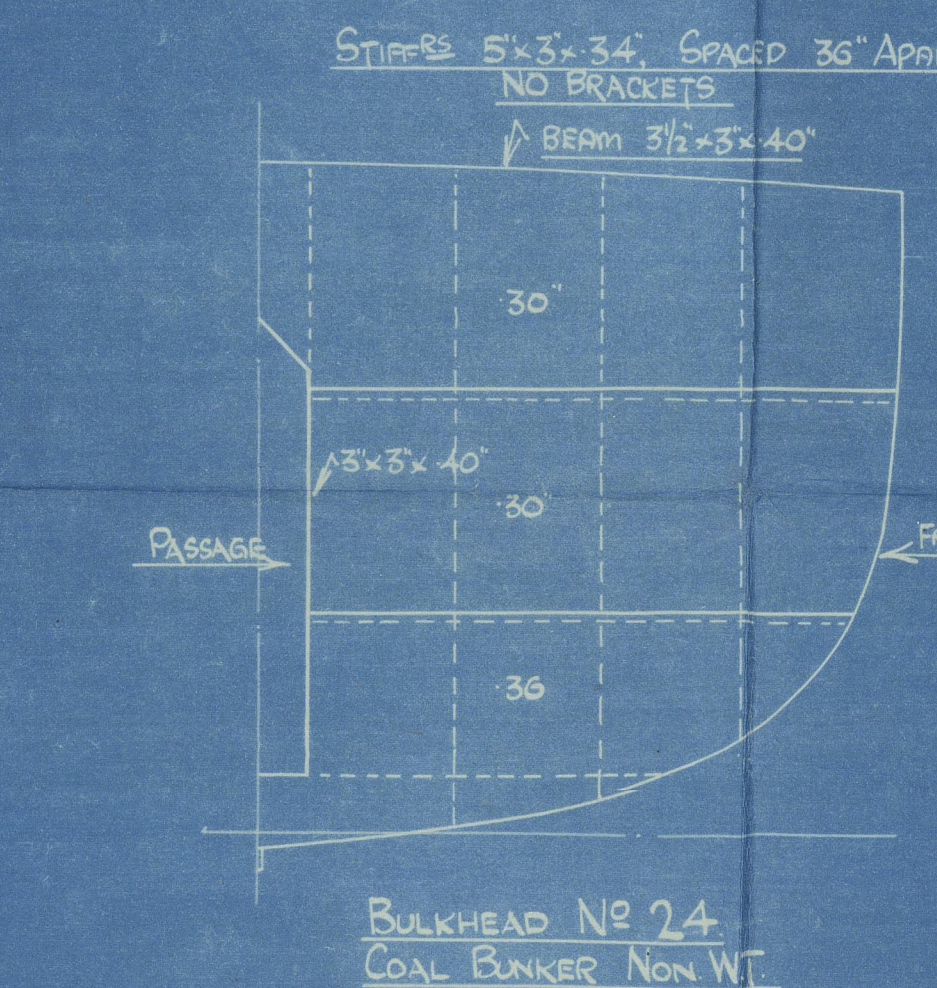
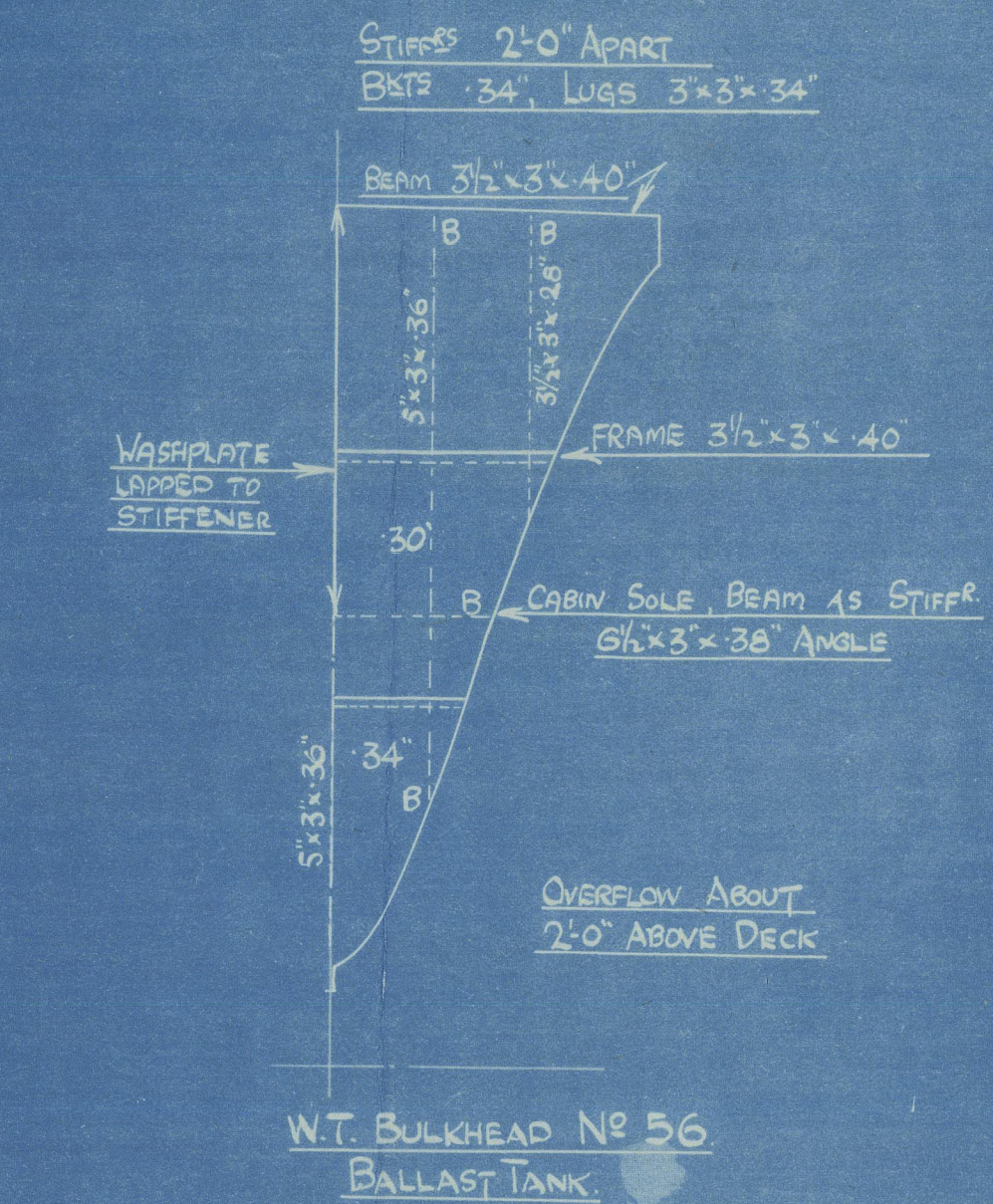
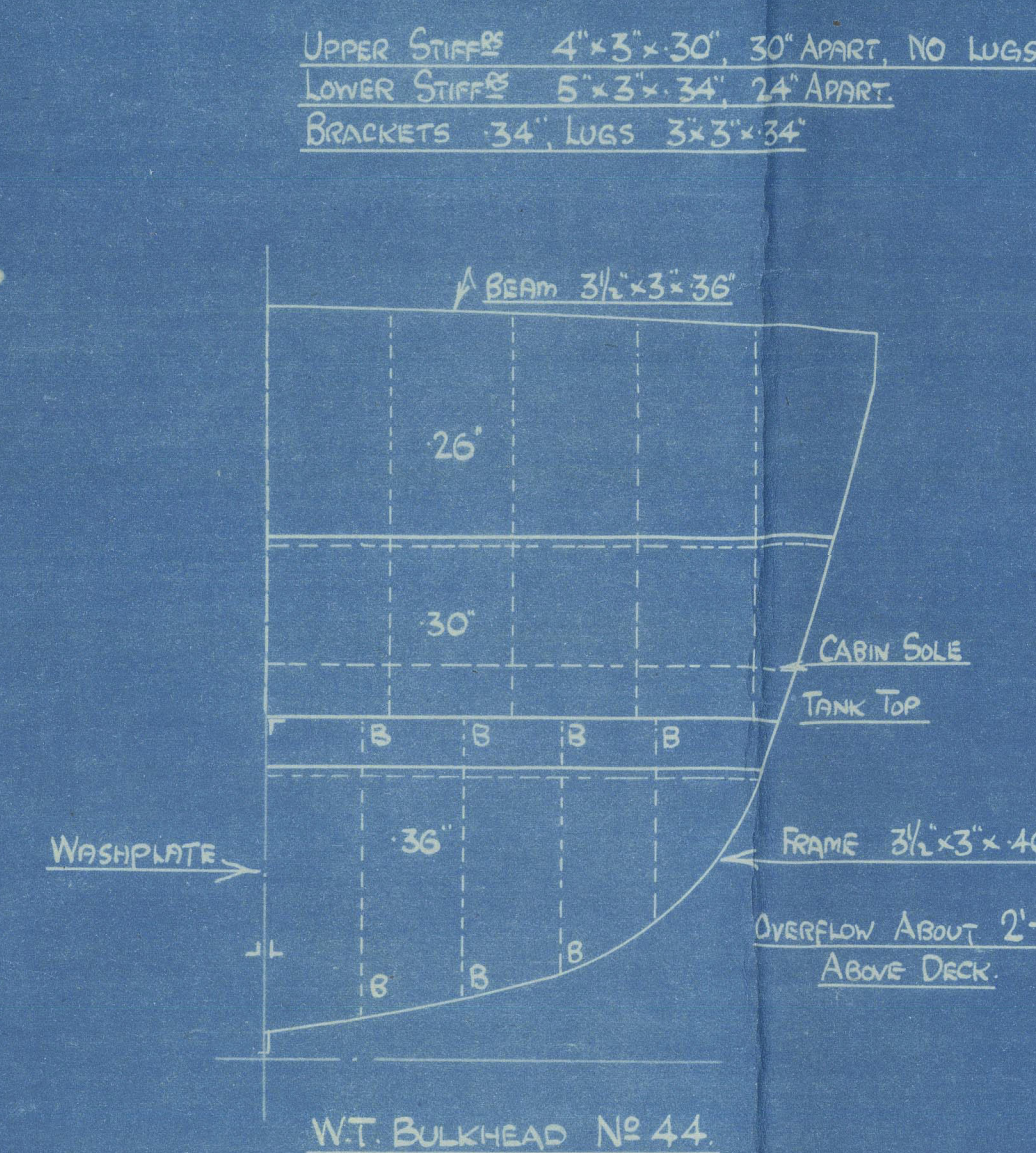
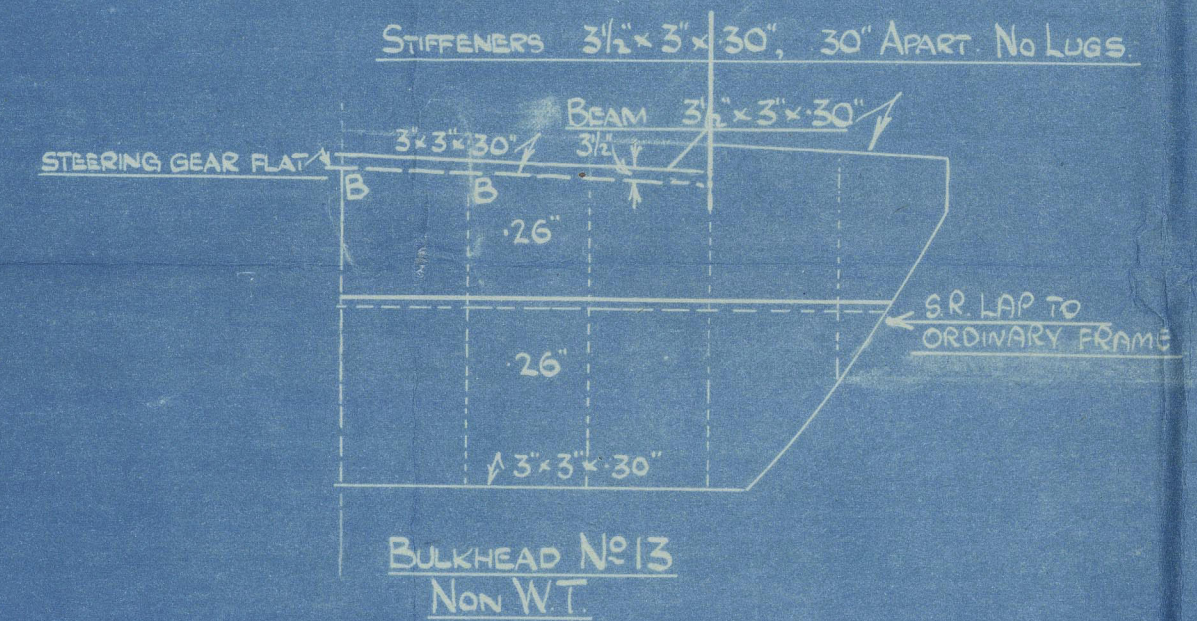
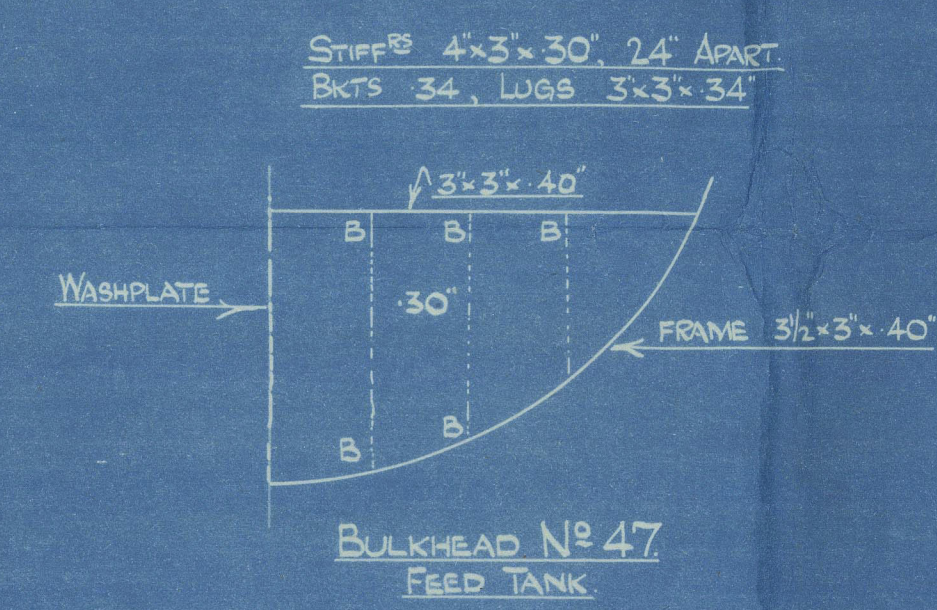
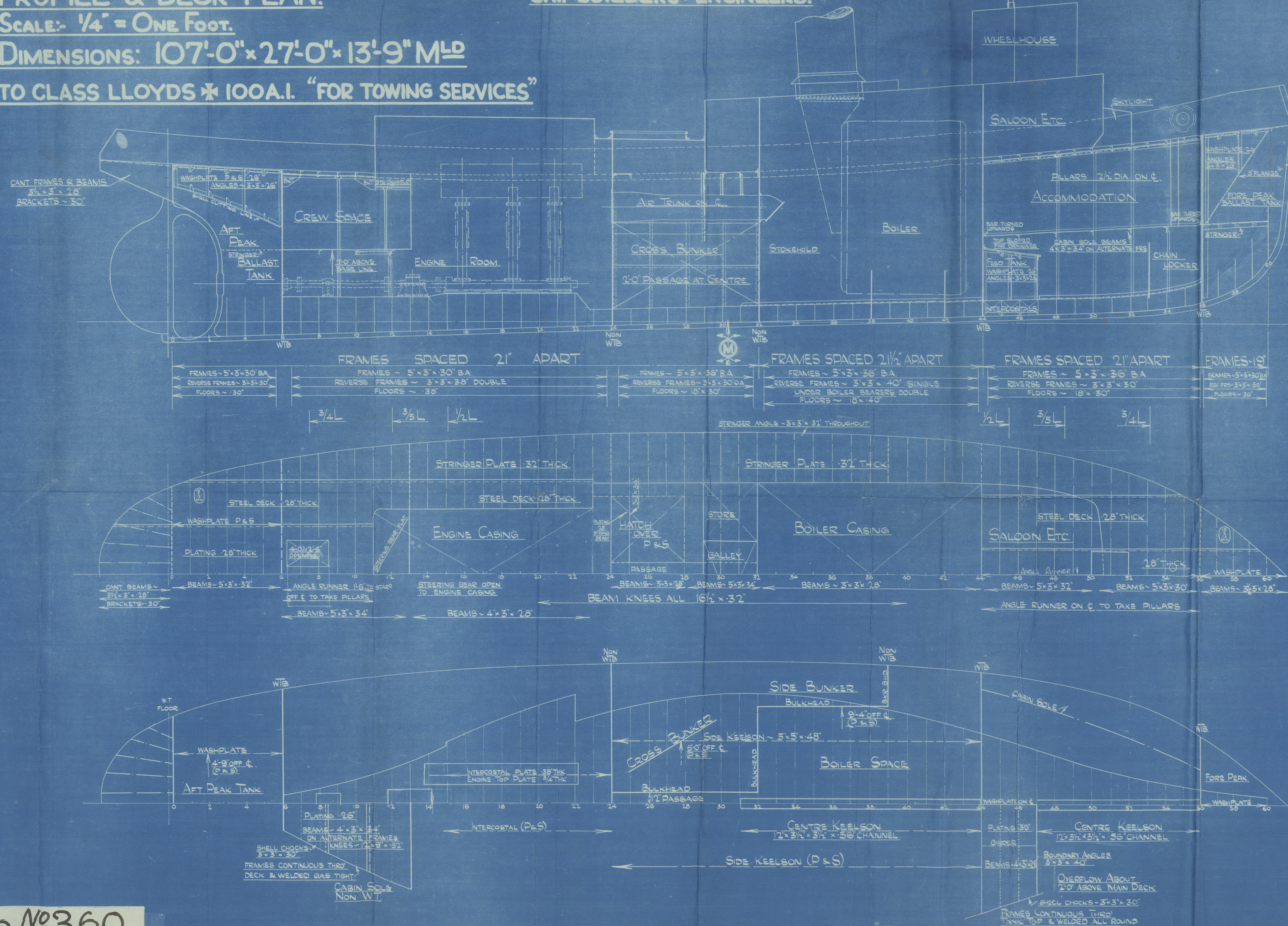
PROFILE & DECK PLAN.

SCALE: 1/4" = ONE FOOT.

DIMENSIONS: 107'-0" x 27'-0" x 13'-9" MLD

TO CLASS LLOYDS 100A.I. "FOR TOWING SERVICES"

FERGUSON BROS.  
(PORT-GLASGOW) LTD  
SHIPBUILDERS & ENGINEERS.



YARD No 360

Drawn MS 309/60  
Clean MS 3  
30.4.60  
G.D.



Loguon Bros (P.S.) & L  
Land No 360  
Empire Mead.  
Skull Sections  
(as fitted)

Yrk 1st Entry Report No.  
21900

X Bodeker



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Foundation

012460 - 012472 - 0162





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# SINGLE SCREW TUG.

"EMPIRE MEAD"

## HULL SECTIONS.

DIMENSIONS:-107'-0"x27'-0"x13'-9"MLD.

SCALE:-1/2"=ONE FOOT.

TO CLASS LLOYDS 100A.I. "FOR TOWING SERVICES".

### SCANTLINGS.

BAR KEEL & STEM BAR 7"x1/4"  
FRAMES-SPACED 2' APART & 2 1/2" IN BOILER ROOM (18' AT FORE PEAK)  
" IN PEAKS 5"x3"x30" BULB ANGLES.  
" IN ENGINE ROOM 5"x3"x30" BULB ANGLES.  
" REMAINDER INCLUDING BUNKERS 5"x3"x36" BULB ANGLES.  
REVERSE FRAMES ORDINARY 3"x3"x30"  
" IN ENGINE SPACE 3"x3"x38" DOUBLE  
" IN BOILER SPACE 3"x3"x40" DOUBLE UNDER BEARERS.  
FLOORS ORDINARY 18"x30"  
" IN ENGINE SPACE 38" THICK.  
" IN BOILER SPACE 18"x40" (EXCEPT STOOD & FLOOR IS IN ONE P.L. 50TH)  
BEAMS EVERY FRAME 5"x3"x34" x 27' 13'-6" SPAN.  
" " 5"x3"x30" x 27' 9'-0" SPAN.  
" " 3 1/2"x3"x28" x 27' 6'-9" SPAN.

### FORGINGS.

RUDDER STOCK ~ 5/4 DIA.  
RUDDER POST ~ 5/2 x 2.  
PROPELLER POST ~ 5/2 x 3.

### LLOYDS NUMERALS.

L = 107.00, B = 27.00, D = 13.75  
L x D = 1471, L x (B+D) = 4360  
L/D = 7.78, D = 12.75  
EQUIPMENT NUMBER.  
2ND LONGIT. NO L x (B+D) = 4360.

### EQUIPMENT.

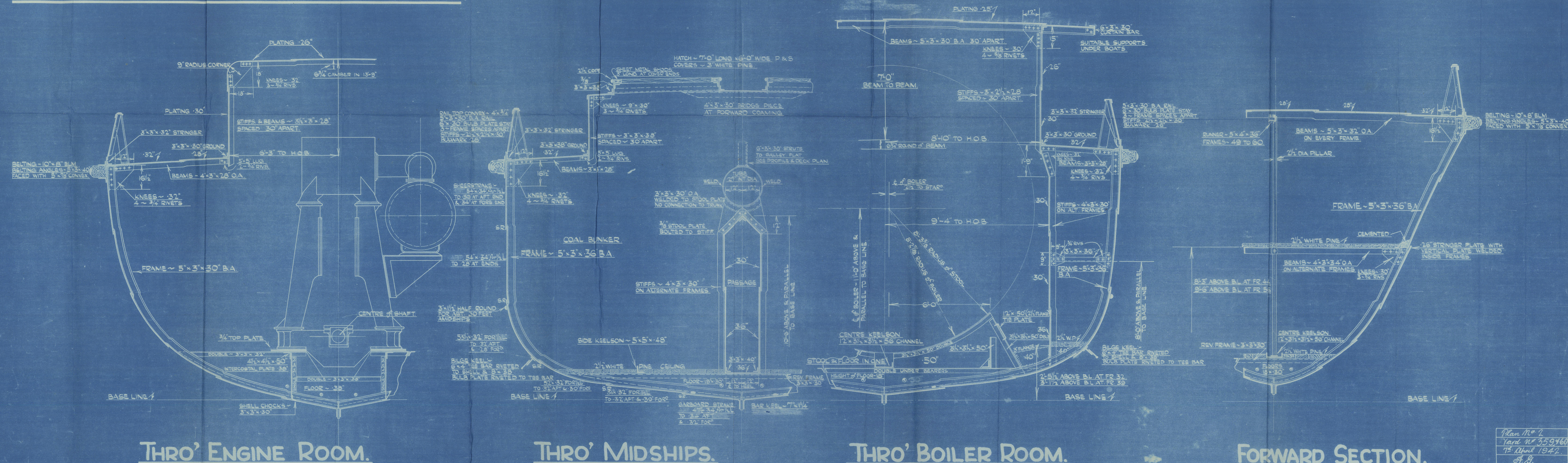
ONE POWER ANCHOR ~ 7 CWTs. STOCKLESS  
" " " 6 1/4"  
105 FATHOMS 1 1/16 STUD CHAIN CABLE.  
60 " 6" HAWSER  
60 " 4 1/2" WARP

### RIVETING.

BUTTS OF GARBOARD STRAKE & SHEER STRAKE STRAPPED  
& DOUBLE RIVETED ALL FORE & AFT.  
REMAINDER OF BUTTS OF SHELL PLATING LAPPED  
& DOUBLE RIVETED ALL FORE & AFT.  
BUTTS OF DECK PLATING LAPPED & DOUBLE RIVETED  
FOR 1/2 LENGTH AMIDSHIPS, SINGLE RIVETED AT ENDS.  
BUTTS OF BULKWARK PLATING LAPPED & SINGLE RIVETED  
SEAMS OF SHELL & DECK PLATING ALL SINGLE RIVETED.

AD/MS 272  
YARD No 360.

FERGUSON BROS.  
(PORT-GLASGOW) LTD  
SHIPBUILDERS & ENGINEERS.



Plan No 2  
Yard No 359960  
7th April 1942  
A.B.



STERNPOST & RUDDER.  
YARD NOS 359-60.

SCALE:- 1" = 1 FOOT : DETAILS:- 3" = 1 FOOT.

**TO CLASS LLOYDS 100 A.I. FOR TOWING SERVICES.**

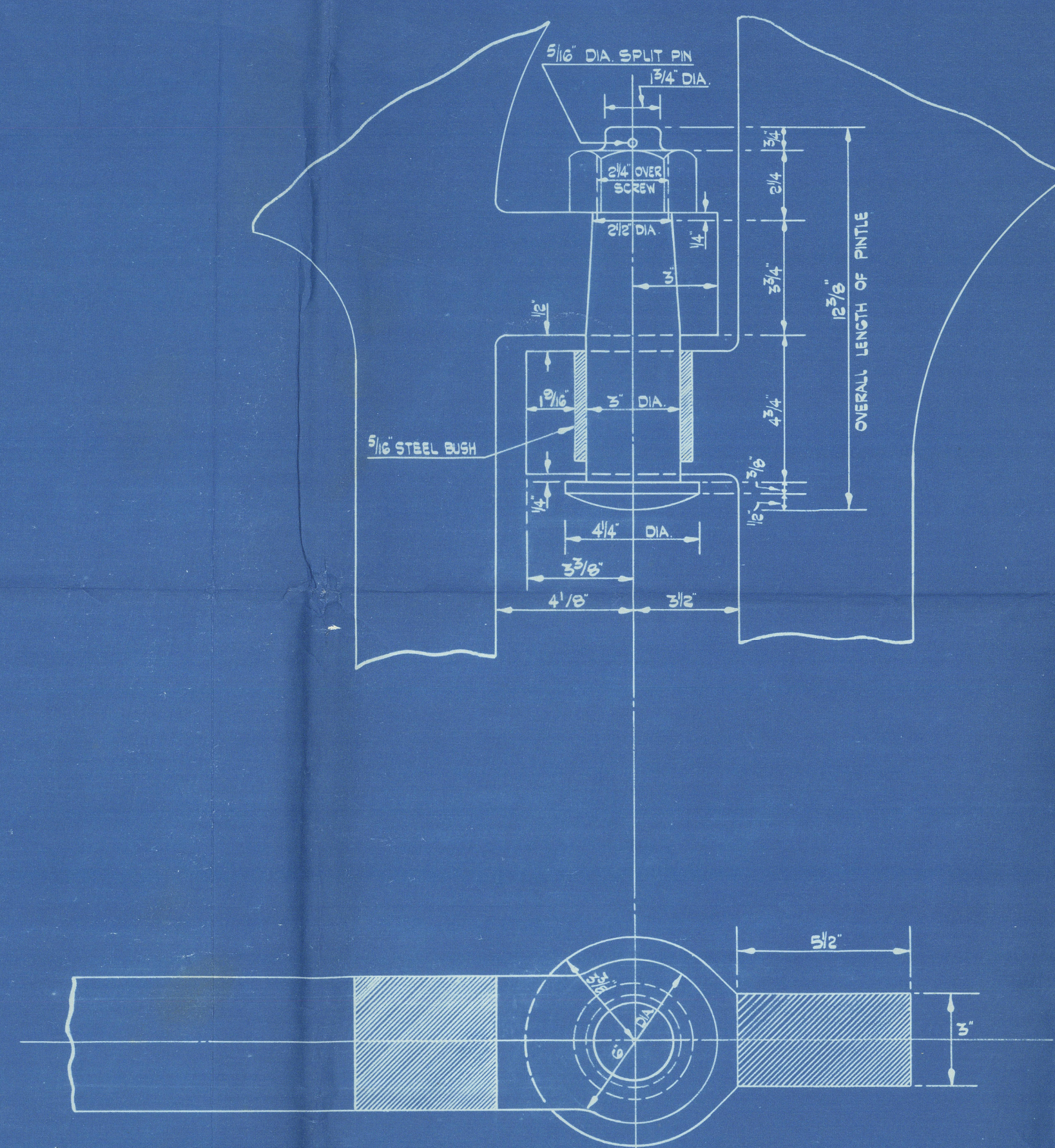
FIRST LONGITUDINAL NUMERAL  $L \times D = 1471$  :  $A \times D = 81$

AREA OF RUDDER ABAFT FORE EDGE OF MAINPIECE = A = 36.84 SQUARE FEET.

DISTANCE IN FEET OF C.G. OF AREA A ABAFT CENTRE LINE OF PINTLES = D = 220 FEET.

SPEED OF VESSEL = 12 KNOTS : I.H.P. = 950 : REVS. PER MIN. = 127.

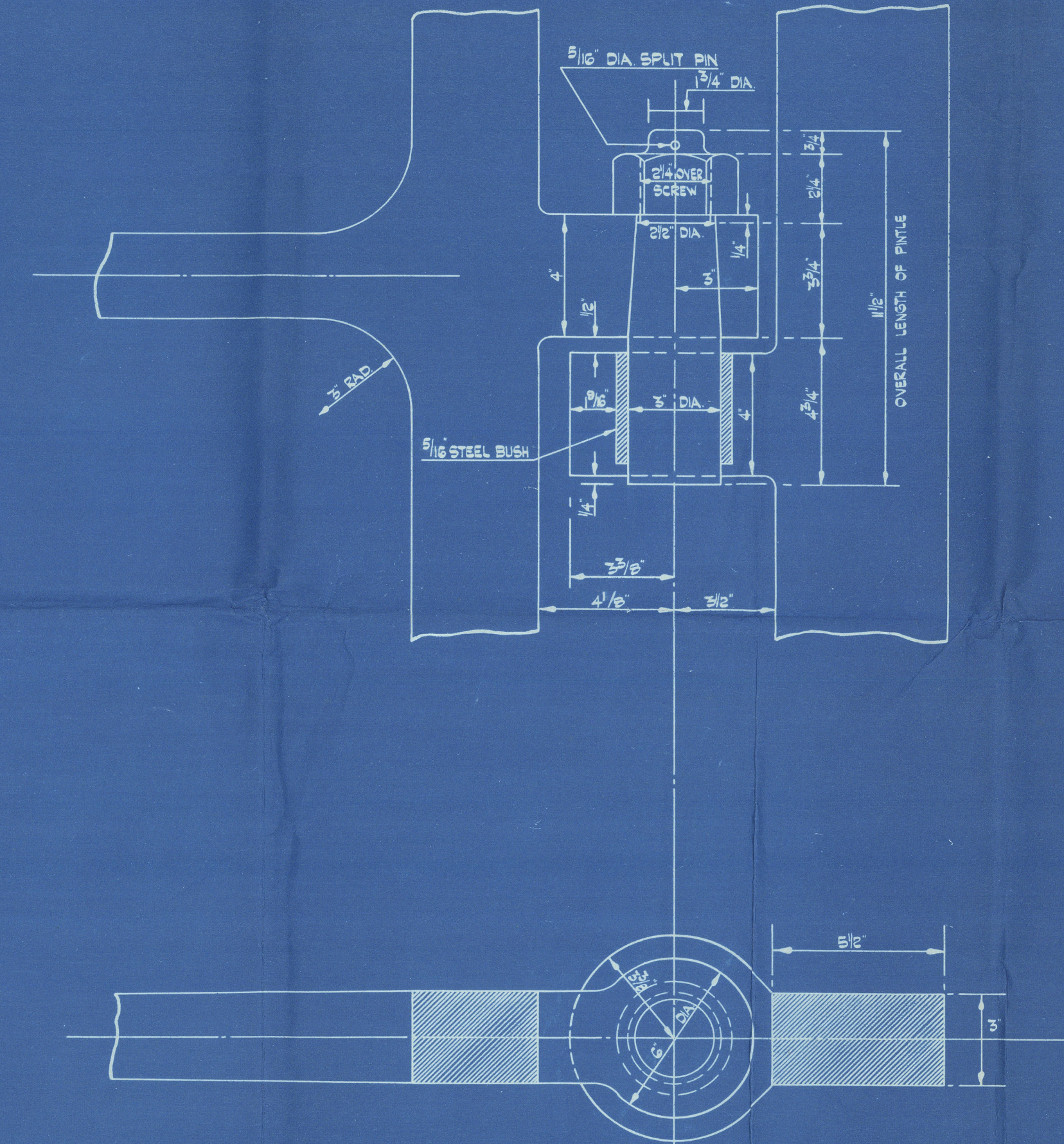
DIAMETER OF RUDDER STOCK =  $4\frac{3}{4} + \frac{1}{2}$  =  $5\frac{1}{4}$  DIA.



### DETAIL OF TOP PINTLE.

SCALE:- 3" = 1 FOOT

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### DETAIL OF CENTRE PINTLES.

### DETAIL OF BOTTOM PINTLE.

SCALE :- 3" = 1 FOOT.

PLAN Nº 7
YARD Nº 359-80
2 - 0 - 41
GE